Product Name: Adenosine A2A-R Rabbit Polyclonal Antibody
Catalog #: APRab06622

Summary

Production Name	Adenosine A2A-R Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC,IF,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	ADORA2A
Alternative Names	ADORA2A; ADORA2; Adenosine receptor A2a
Gene ID	135.0
SwissProt ID	P29274.The antiserum was produced against synthesized peptide derived from human ADORA2A. AA range:120-169

Application

Dilution Ratio	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:5000. Not yet tested in other applications.
Molecular Weight	37kD

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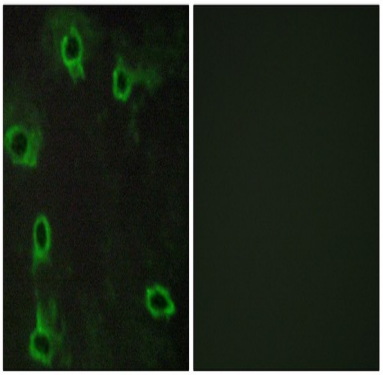
Background

adenosine A2a receptor(ADORA2A) Homo sapiens This gene encodes a member of the guanine nucleotide-binding protein (G protein)-coupled receptor (GPCR) superfamily, which is subdivided into classes and subtypes. The receptors are seven-pass transmembrane proteins that respond to extracellular cues and activate intracellular signal transduction pathways. This protein, an adenosine receptor of A2A subtype, uses adenosine as the preferred endogenous agonist and preferentially interacts with the G(s) and G(olf) family of G proteins to increase intracellular cAMP levels. It plays an important role in many biological functions, such as cardiac rhythm and circulation, cerebral and renal blood flow, immune function, pain regulation, and sleep. It has been implicated in pathophysiological conditions such as inflammatory diseases and neurodegenerative disorders. Alternative splicing results in multiple transcript variants. A read-through transcript composfunction:Receptor for adenosine. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase.,similarity:Belongs to the G-protein coupled receptor 1 family.,

Research Area

Calcium;Neuroactive ligand-receptor interaction;Vascular smooth muscle contraction;

Image Data



Immunofluorescence analysis of COS7 cells, using ADORA2A Antibody. The picture on the right is blocked with the synthesized peptide.

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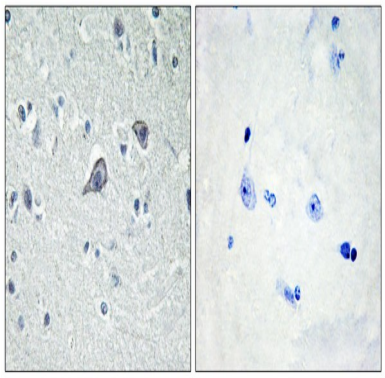
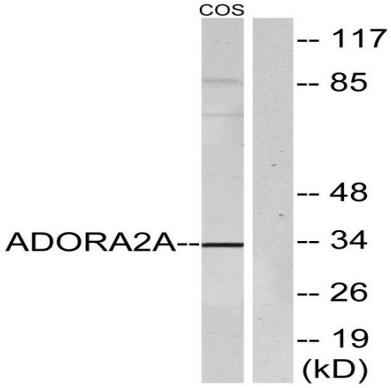
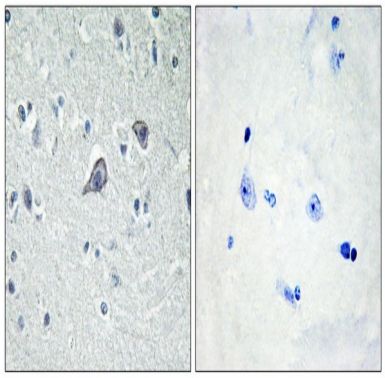


Immunohistochemistry analysis of paraffin-embedded human brain tissue, using ADORA2A Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of ADORA2A Antibody. The lane on the right is blocked with the ADORA2A peptide.



Immunohistochemistryt analysis of paraffin-embedded human brain, using ADORA2A Antibody. The lane on the right is blocked with the ADORA2A peptide.

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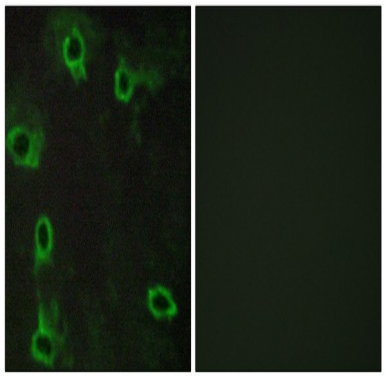
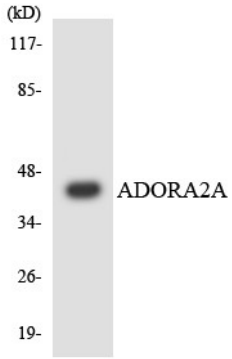


Immunofluorescence analysis of ADORA2A Antibody. The lane on the right is blocked with the ADORA2A peptide.



Western blot analysis of the lysates from HepG2 cells using ADORA2A antibody.

Note

For research use only.